

AMENDMENTS TO THE CLAIMS

[1] (Original) Electrodes for an electrochemical cell including a proton-conductive electrolyte, the electrodes being an anode and a cathode, the anode and/or the cathode comprising a solid having hydrogen permeability.

[2] (Original) The electrodes according to Claim 1, wherein the proton-conductive electrolyte has a perovskite structure represented by the general formula AB_xO_{3-d} (wherein $0.8 \leq x \leq 1.2$; and d is a deviation from the nominal value of oxygen, namely 3); and the B-site elements include zirconium (Zr).

[3] (Original) The electrodes according to Claim 2, wherein the content of zirconium (Zr) is 20 mole percent or more.

[4] (Currently Amended) The electrodes according to ~~any of Claims 1 to 3~~ claim 1, wherein the solid having hydrogen permeability is a mixed proton-electron conductor.

[5] (Original) The electrodes according to Claim 4, wherein the mixed proton-electron conductor is a mixed proton-electron conductive ceramic material having the perovskite structure.

[6] (Currently Amended) The electrodes according to ~~any of Claims 1 to 3~~ claim 1, wherein the solid having hydrogen permeability is a hydrogen storage alloy.

[7] (Original) The electrodes according to Claim 6, wherein the hydrogen storage alloy comprises palladium (Pd).

[8] (Original) The electrodes according to Claim 7, wherein the hydrogen storage alloy comprises 10% or more of palladium (Pd).

[9] (Currently Amended) The electrodes according to ~~any of Claims 1 to 3~~ claim 1, wherein the solid having hydrogen permeability is a mixture of a mixed proton-electron conductor and a hydrogen storage alloy.

[10] (Original) The electrodes according to Claim 9, wherein the mixed proton-electron conductor is a mixed proton-electron conductive ceramic material having the perovskite structure; and the hydrogen storage alloy comprises palladium (Pd).

[11] (Currently Amended) An electrochemical cell comprising the proton-conductive electrolyte and the electrodes according to ~~any of Claims 1 to 10~~ claim 1.

[12] (New) The electrodes according to claim 2, wherein the solid having hydrogen permeability is a mixed proton-electron conductor.

[13] (New) The electrodes according to claim 3, wherein the solid having hydrogen permeability is a mixed proton-electron conductor.

[14] (New) The electrodes according to claim 2, wherein the solid having hydrogen permeability is a hydrogen storage alloy.

[15] (New) The electrodes according to claim 3, wherein the solid having hydrogen permeability is a hydrogen storage alloy.

[16] (New) The electrodes according to claim 2, wherein the solid having hydrogen permeability is a mixture of a mixed proton-electron conductor and a hydrogen storage alloy.

[17] (New) The electrodes according to claim 3, wherein the solid having hydrogen permeability is a mixture of a mixed proton-electron conductor and a hydrogen storage alloy.

[18] (New) An electrochemical cell comprising the proton-conductive electrolyte and the electrodes according to claim 2.

[19] (New) An electrochemical cell comprising the proton-conductive electrolyte and the electrodes according to claim 3.

[20] (New) An electrochemical cell comprising the proton-conductive electrolyte and the electrodes according to claim 3.